

## FEDERAL INSTRUITE OF INDUSTRIAL PROPERTY

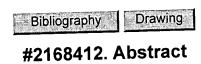
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to the beginning to the end print TERMS	(51) Main classification IPC (51) Main classification IPC	B28B11/00 Query IPC E01C19/40 Query IPC ROLL-TYPE SMOOTHING MACHINE
previous next	Title	WITH SMOOTHING DEVICE VIBRATING IN TRANSVERSE DIRECTION
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FIELD: construction materials. SUBSTANCE: smoothing device has rolls rotating at speed many times exceeding speed of displacement of smoothing device over surface to be smoothed, and simultaneously vibrating in direction transverse to direction of advancement of rolls. Smoothing rolls surface contacting with surface to be smoothed is made notched. Smoothing device transverse vibration motion is imparted by drive actuated by hydraulic pumping station provided with hydraulic variable-feed pump, bypass valve and filter. Pumping station actuates vibration generator, which has hydraulic engine, eccentric conical shaft, and screw providing lowering and raising of eccentric conical shaft for changing plunger pair vibration amplitude. Working fluid which is under pressure in rubber-metal sleeve imparts vibratory motions to plunger pair rigidly connected to rotating roll. Roll is rotated by belt transmission from electric engine. Smoothing machine of such construction is used for highquality working of unhardened concrete surfaces of ferroconcrete products molded from rigid concrete mixtures to obtain required roughness grade on ferroconcrete product faces. EFFECT: increased efficiency by stabilized process and improved quality of smoothed surfaces. 2 cl, 1 dwg

Bibliography

Drawing

